

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 March 2004 (25.03.2004)

PCT

(10) International Publication Number
WO 2004/025688 A2

(51) International Patent Classification⁷: **H01J 61/12**,
61/42, 61/30, 61/54, 61/067

(21) International Application Number:
PCT/IB2003/003982

(22) International Filing Date:
1 September 2003 (01.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
102 42 049.1 11 September 2002 (11.09.2002) DE

(71) Applicant (for DE only): **PHILIPS INTELLECTUAL
PROPERTY & STANDARDS GMBH** [DE/DE]; Stein-
damm 94, 20099 Hamburg (DE).

(71) Applicant (for AE, AG, AL, AM, AT, AU, AZ, BA, BB, BE,
BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CY, CZ, DK,
DM, DZ, EC, EE, ES, FI, FR, GB, GD, GE, GH, GM, GR,
HR, HU, ID, IE, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,

MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, SY, SZ, TJ, TM, TN, TR, TT, TZ, UA, UG,
UZ, VC, VN, YU, ZA, ZM, ZW only): **KONINKLIJKE
PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoud-
seweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SCHOLL, Robert**,
Peter [DE/DE]; c/o Philips Intellectual Property & Stan-
dards GmbH, Weissshausstr. 2, 52066 Aachen (DE).
HILBIG, Rainer [DE/DE]; c/o Philips Intellectual Prop-
erty & Standards GmbH, Weissshausstr. 2, 52066 Aachen
(DE). **KOERBER, Achim, Gerhard, Rolf** [DE/DE];
c/o Philips Intellectual Property & Standards GmbH,
Weissshausstr. 2, 52066 Aachen (DE). **BAIER, Johannes**
[DE/DE]; c/o Philips Intellectual Property & Standards
GmbH, Weissshausstr. 2, 52066 Aachen (DE).

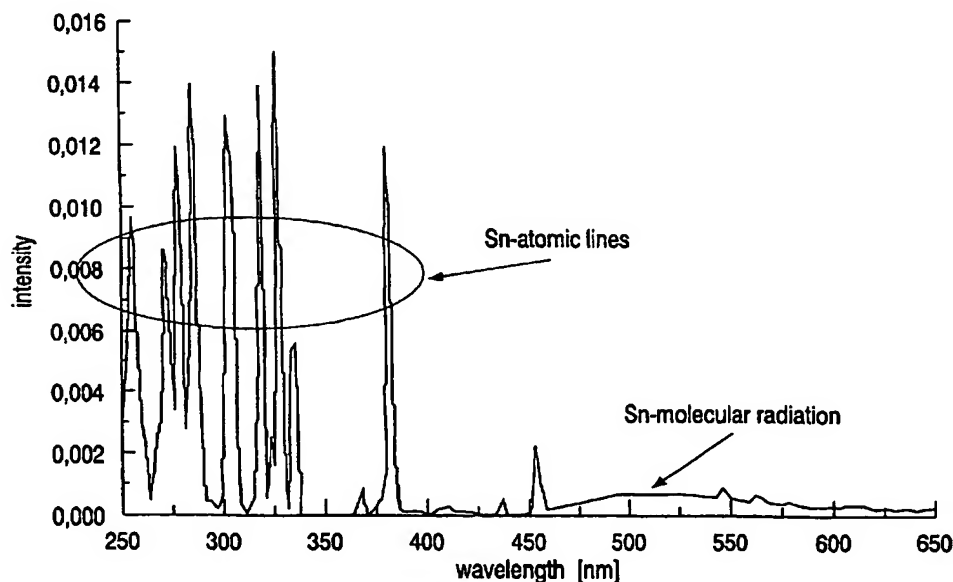
(74) Agent: **MEYER, Michael**; Philips Intellectual Property &
Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,

[Continued on next page]

(54) Title: **LOW-PRESSURE GAS DISCHARGE LAMP WITH GAS FILLING CONTAINING TIN**

SnBr₂



(57) Abstract: A low-pressure gas discharge lamp equipped with a gas discharge vessel containing an inert gas filling as the buffer gas, and with electrodes and with means for generating and maintaining a low-pressure gas discharge, is described, wherein the lamp contains at least one tin halide.

WO 2004/025688 A2